

SCOPE OF WORK

1. Scope of Services

The Architect-Engineer shall perform all professional services necessary for planning and designing this project including the preparation of drawings, specifications, design calculations, cost estimates, and estimated time of completion for installation of a new fire and smoke alarm system in [REDACTED]. The Architect-Engineer shall investigate on site conditions and make such measurements and evaluations as necessary for the project to be developed. The Architect-Engineer shall consult with the [REDACTED] Engineer to obtain record drawings as may be available and resolve criteria questions as necessary. It shall be the responsibility of the Architect-Engineer to verify accuracy of any data obtained. Security requirements as required at the site will be complied with. All site visits must be initiated by advising the [REDACTED] Engineer of the date, time, and extent of work anticipated.

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2. Statement of Work

A. General:

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[REDACTED] presently has a fire detection system which has been extended repeatedly to the extent that it is presently overloaded and unreliable. The wiring is not color coded and the equipment is of several varieties. It sounds local alarms and, through a rented telephone company circuit, rings an alarm in the [REDACTED] Fire Station. It has been decided to replace the building system in its entirety. The present firehouse circuitry is to be utilized but a new console may be necessary at the firehouse at a future date and, consequently, both present and future compatibility is a consideration:

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B. New System Requirements:

(1) Provide for complete new fixed temperature, rate-of-rise detection system throughout including detectors, manual pull stations, and audible alarm system.

(2) Provide for battery operation of entire system in case of power failure.

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(3) Provide for smoke detection in main air handler return air systems and attach each to fire alarm as an individual zone which may be identified at the annunciator panel. Particular attention must be paid to one large special use area.

(4) Provide for shut down of all air handlers in the building should any fire or smoke alarm be activated.

(5) Provide for an annunciator panel with sufficient zones and at a location suitable to the [REDACTED] Engineer to direct fire service personnel to the immediate vicinity of any alarm situation.

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(6) Provide for electromagnetic door holders on designated fire doors. Each door holder should have a local switch to control the hold open feature but be automatically released by actuation of the fire alarm system.

(7) Provide supervision on all lines, including audible alarm, detection, and remote signal circuitry.

(8) Provide for deactivation and removal of existing system components after new system is activated. Extent of this work shall be such that no abandoned equipment will be left in place to be confused with operating components. Conduits and junction boxes may be left in place.

3. Schedule of Submissions

The Architect-Engineer shall complete the services required and submit the drawings and documents to the Contracting Officers within the following schedule, exclusive of Government review time:

(A) First Submission: (30 percent complete) Fourteen calendar days after notice to proceed. Six copies of drawings, outline specifications, design calculations, and preliminary cost estimate.

(B) Second Submission: (80 percent complete) Twenty-one calendar days after transmittal of Government's comments on first submission. Same number of copies as above.

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(C) Final Submission: (100 percent complete) Fourteen calendar days after transmittal of the Government's comments on the second submission. Submission shall include:

- (1) Six copies of the drawings
- (2) Complete set of originals signed and approved by A-E.
- (3) Two sets of design calculations
- (4) Final typed pages of the specifications
- (5) Six copies of the specifications
- (6) Two copies of the cost estimate
- (7) All materials loaned to A-E by the Government.